



PCT10

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,611

DATE: 11/06/2002

TIME: 14:50:51

Input Set : A:\vonbergen.txt

Output Set: N:\CRF4\11062002\J070611.raw

3 <110> APPLICANT: VON BERGEN, Martin  
 4 BIERNAT, Jacek  
 5 MANDELKOW, Eva-Maria  
 6 MANDELKOW, Eckhard  
 8 <120> TITLE OF INVENTION: A MINIMAL TAU PEPTIDE FOR THE NUCLEATION OF PAIRED HELICAL  
 FRAGMENTS

10 <130> FILE REFERENCE: 029976/0101  
 12 <140> CURRENT APPLICATION NUMBER: US 10/070611  
 13 <141> CURRENT FILING DATE: 2000-09-11  
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP00/08863  
 16 <151> PRIOR FILING DATE: 2000-09-11  
 18 <150> PRIOR APPLICATION NUMBER: EP 99117805.4  
 19 <151> PRIOR FILING DATE: 1999-09-09  
 21 <160> NUMBER OF SEQ ID NOS: 62  
 23 <170> SOFTWARE: PatentIn version 3.1  
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 26 <211> LENGTH: 125  
 27 <212> TYPE: PRT  
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 33 1 5 10 15  
 36 Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val  
 37 20 25 30  
 40 Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln Ser Lys Cys  
 41 35 40 45  
 44 Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly Ser Val Gln  
 45 50 55 60  
 48 Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly  
 49 65 70 75 80  
 52 Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln Val Glu Val  
 53 85 90 95  
 56 Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly  
 57 100 105 110  
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 61 115 120 125  
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 65 <211> LENGTH: 31  
 66 <212> TYPE: PRT  
 67 <213> ORGANISM: Homo sapiens  
 69 <400> SEQUENCE: 2  
 71 Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val Lys Ser Lys  
 72 1 5 10 15  
 75 Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys

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80 <211> LENGTH: 31
81 <212> TYPE: PRT
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84 <400> SEQUENCE: 3
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87 1          5          10          15
90 Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly Ser
91          20          25          30
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 31
96 <212> TYPE: PRT
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 4
101 Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys
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105 Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
106          20          25          30
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110 <211> LENGTH: 32
111 <212> TYPE: PRT
112 <213> ORGANISM: Homo sapiens
114 <400> SEQUENCE: 5
116 Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
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121          20          25          30
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 43
126 <212> TYPE: PRT
127 <213> ORGANISM: Homo sapiens
129 <400> SEQUENCE: 6
131 Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val Gln Ile Val Tyr Lys
132 1          5          10          15
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136          20          25          30
139 Ile His His Lys Pro Gly Gly Gly Gln Val Glu
140          35          40
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 6
145 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 7
150 Val Gln Ile Ile Asn Lys
151 1          5
154 <210> SEQ ID NO: 8
155 <211> LENGTH: 6
156 <212> TYPE: PRT

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162 1 5
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173 1 5
176 <210> SEQ ID NO: 10
177 <211> LENGTH: 94
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
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184 1 5 10 15
187 Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val
188 20 25 30
191 Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys
192 35 40 45
195 Gly Ser Leu Gly Asn Ile His Lys Pro Gly Gly Gly Gln Val Glu
196 50 55 60
199 Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser Lys Ile
200 65 70 75 80
203 Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
204 85 90
207 <210> SEQ ID NO: 11
208 <211> LENGTH: 94
209 <212> TYPE: PRT
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214 Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val Lys Ser Lys
215 1 5 10 15
218 Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Asn
219 20 25 30
222 Ala Glu Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys
223 35 40 45
226 Gly Ser Leu Gly Asn Ile His Lys Pro Gly Gly Gly Gln Val Glu
227 50 55 60
230 Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser Lys Ile
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234 Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
235 85 90
238 <210> SEQ ID NO: 12
239 <211> LENGTH: 91
240 <212> TYPE: PRT
241 <213> ORGANISM: Homo sapiens

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243 <400> SEQUENCE: 12
245 Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val Lys Ser Lys
246 1      5      10      15
249 Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val
250      20      25      30
253 Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys Gly Ser Leu
254      35      40      45
257 Gly Asn Ile His His Lys Pro Gly Gly Gly Gln Val Glu Val Lys Ser
258      50      55      60
261 Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser Lys Ile Gly Ser Leu
262 65      70      75      80
265 Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
266      85      90
269 <210> SEQ ID NO: 13
270 <211> LENGTH: 94
271 <212> TYPE: PRT
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277 1      5      10      15
280 Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly Gly Lys Val
281      20      25      30
284 Gln Ile Val Glu Lys Pro Val Asp Leu Ser Lys Val Thr Ser Lys Cys
285      35      40      45
288 Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln Val Glu
289      50      55      60
292 Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser Lys Ile
293 65      70      75      80
296 Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
297      85      90
300 <210> SEQ ID NO: 14
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303 <213> ORGANISM: Homo sapiens
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308 1      5
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312 <211> LENGTH: 18
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322 Gly Gly
326 <210> SEQ ID NO: 16
327 <211> LENGTH: 8
328 <212> TYPE: PRT
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342 <400> SEQUENCE: 17
344 Val Asp Leu Ser Lys Val Thr Ser Lys
345 1 5
348 <210> SEQ ID NO: 18
349 <211> LENGTH: 18
350 <212> TYPE: PRT
351 <213> ORGANISM: Homo sapiens
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355 Val Thr Ser Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly
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359 Gly Gly
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364 <211> LENGTH: 8
365 <212> TYPE: PRT
366 <213> ORGANISM: Homo sapiens
368 <400> SEQUENCE: 19
370 Gly Gln Val Glu Val Lys Ser Glu
371 1 5
374 <210> SEQ ID NO: 20
375 <211> LENGTH: 7
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377 <213> ORGANISM: Homo sapiens
379 <400> SEQUENCE: 20
381 Gln Thr Ala Pro Val Pro Met
382 1 5
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386 <211> LENGTH: 6
387 <212> TYPE: PRT
388 <213> ORGANISM: Homo sapiens
390 <400> SEQUENCE: 21
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393 1 5
396 <210> SEQ ID NO: 22
397 <211> LENGTH: 15
398 <212> TYPE: PRT
399 <213> ORGANISM: Homo sapiens
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403 Leu Lys Asn Val Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys
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407 <210> SEQ ID NO: 23
408 <211> LENGTH: 15
409 <212> TYPE: PRT

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**VERIFICATION SUMMARY**

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